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(71) Applicant (for all designated States except US): MARCONI COMMUNICATIONS GMBH [DE/DE]; Gerberstrasse 33, D-71520 Backnang (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WERNZ, Horst [DE/DE]; Silvanerweg 14, 071554 Weissach (DE). ELBERS, Jore-Peter [DE/DE]; Hufsdwiedstr. 5, 81249 Munchen (DE). GRIESSE, Helmut [DE/DE]; Zirler Weg 35, 71522 Backnang (DE).

(74) Agents: COCKAYNE, Gillian et al.; Marconi Intellectual Property, Crompton Close, Basildon Essex SS14 3BA (GB).

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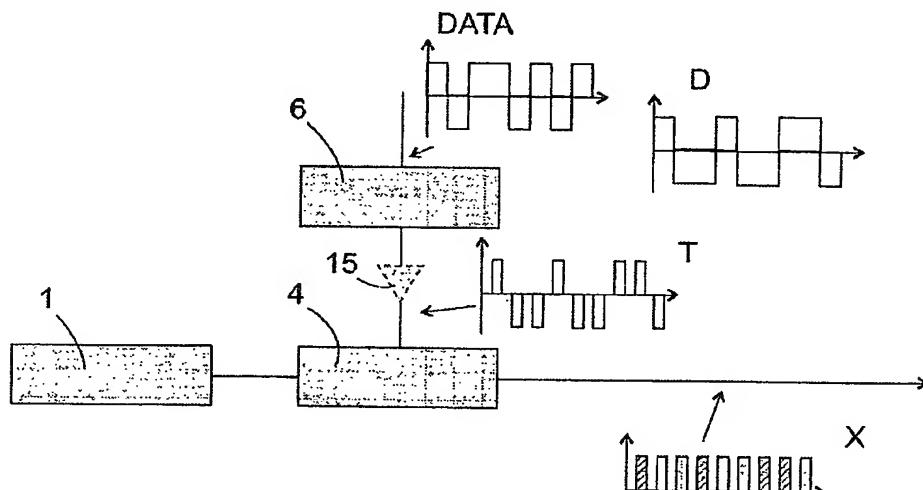
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(54) Title: TRANSMITTER FOR AN OPTICAL COMMUNICATION SIGNAL



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(57) Abstract: A transmitter for an optical RZ-DPSK communication signal comprises a source (1) for an optical carrier, an electro-optical modulator (4), which comprises at least one element (11, 12) having an optical path length adapted to be varied by an electrical driver signal (T), for intensity modulating the optical carrier based on the driver signal (T), and a driver circuit (6) for generating the driver signal from an electrical communication signal (DATA). The driver signal (T) is an impulse-type signal having two types of impulses spaced in time by a neutral signal state, wherein in presence of the neutral state of the driver signal at the modulator (4), the transmission of the modulator (4) becomes zero, and the two types of impulses each cause a transmission different from zero and a phase which is specific for the type of the impulses in modulator (4).



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